

Part Three for EPA-2014-2078



CERTIFIED MAIL 7007 2680 0000 4912 4473

RECEIVE

February 26, 2013

Texas Commission on Environmental Quality
Office of the Chief Clerk
Mail Code 105
Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

MAR -4 2013

Air Toxics & Inspection
Coordination Branch
6EN-A

**RE: Air Quality Permit Number 106909
Valero Refining – Texas, L.P. (CN600127468)
Houston Refinery (RN100219310)
Public Notice Verification Form**

Dear Madam or Sir:

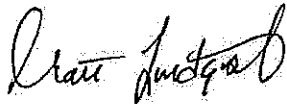
Valero Refining – Texas, L.P. (Valero) owns and operates a petroleum refinery located at 9701 Manchester Street, in Houston, Harris County, Texas. The Houston Refinery is registered under Texas Commission on Environmental Quality (TCEQ) account number HG-0130-C.

On November 13th, 2012, Valero submitted an air quality permit application for the implementation of the Domestic Crude Project. Notices of Receipt of Application and Intent to Obtain Permit were published on January 17th, 2013 (English) and January 25th, 2013 (Spanish).

Enclosed please find the Public Notice Verification Form.

If you have any questions regarding the information in this submittal, please call me at 713-923-3378.

Sincerely,



Matt Lindquist
Manager Environmental Engineering

Attachments

cc: U.S. EPA Region 6 Air Permits Section – Dallas 7007 2680 0000 4912 4466
TCEQ Air Section Manager – Houston 7007 2680 0000 4912 4459
TCEQ Air Permits Division – Austin 7007 2680 0000 4912 4442
Health and Human Services Department – Houston 7007 2680 0000 4912 4435
Environmental Public Health Division – Pasadena 7007 2680 0000 4912 4428

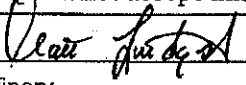


**Texas Commission on Environmental Quality
Public Notice Verification Form
Air Permit**

Applicant Name: Valero Refining-Texas, L.P.	
Site or Facility Name: Valero Houston Refinery	
TCEQ Account Number (if applicable): HG-0130-C	Permit Number: 106909
Regulated Entity Number (RN): RN100219310	Customer Number (CN): CN600127468
All applicants must <u>complete all applicable</u> portions of this form. Send this completed form to the TCEQ to the attention of the Office of the Chief Clerk <u>within 10 business days after the end of the designated comment period</u>. For more information regarding public notice, refer to the instructions in the public notice package.	
Alternative Language Checklist	
I have contacted the appropriate school district. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
School District: Houston Independent School District	Phone Number: 713-556-6961
Person Contacted: Rose Maldonado	Date: 02/26/2013
Is a bilingual education program (BEP) required by the Texas Education Code in the district? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If answer is "NO," skip to first question in verification box on next page. (Note: A BEP is different from "English as a Second Language" (ESL) program; and Elementary/Middle schools that only offer ESL will not trigger notice in an alternative language.)	
Notice in an alternative language is required if a BEP is required in the District, and one of the following conditions is met:	
1. students in the elementary or middle school nearest the facility are enrolled in a program at that school;	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. students from the elementary or middle school nearest the facility attend a BEP at another location; or	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. the school district that otherwise would be required to provide a BEP has been granted an exception from the requirements to provide the program, as provided for in 19 Texas Administrative Code 89.1207(a).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If the answer is "NO" to 1, 2, and 3 above, then alternative language notice is not required.	
The name of the elementary school nearest to the proposed or existing facility is:	
J. R. Harris Elementary School	
The name of the middle school nearest to the proposed or existing facility is:	
Deady Middle School	
The following language(s) is/are utilized in the bilingual program:	
Spanish	
If notice in an alternative language is required, then applicants must publish alternative language notice(s) and post alternative language sign(s), as outlined in the <i>Instructions for Notice</i> and certify compliance with those requirements on this form.	

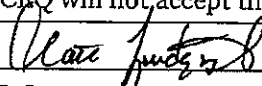


Texas Commission on Environmental Quality
Public Notice Verification Form
Air Permit

Applicant Name: Valero Refining-Texas, L.P.	
Site or Facility Name: Valero Houston Refinery	
TCEQ Account Number (if applicable): HG-0130-C	Permit Number: 106909
Regulated Entity Number (RN): RN100219310	Customer Number (CN): CN600127468
For more information regarding public notice, refer to the instructions in the public notice package.	
Alternative Language Verification	
1. A BEP is required by the Texas Education Code in the area addressed by this permit application and is subject to alternative language public notice requirements. If "NO," skip 2 through 6 and complete signature, title, date, and name of applicant.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. The applicant has conducted a diligent search for a newspaper or publication of general circulation in both the municipality and county in which the facility is located (or proposed to be located).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. A newspaper or publication could not be found in any of the alternative language(s) in which notice is required.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. The publishers of the newspaper listed below refused to publish the notice as requested, and another newspaper or publication in the same language and of general circulation could not be found in the municipality or county in which the facility is located (or proposed to be located).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Newspaper:	Language:
5. Proof of publication of the newspaper alternative language notice(s) and the requested affidavits have been sent to the TCEQ.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. Alternative language signs were posted as required by the TCEQ.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
This form must be signed and dated by a designated representative acting on behalf of the applicant after the end of the designated comment period. Send this completed form to the TCEQ to the attention of the Office of the Chief Clerk within 10 business days after the end of the designated comment period. The TCEQ will not accept this form if submitted prior to that date.	
Verified by (signature): 	
Applicant: Valero Houston Refinery	
Title: Manager Environmental Engineering	Date: 02/26/2013



Texas Commission on Environmental Quality
Public Notice Verification Form
Air Permit

Applicant Name: Valero Refining-Texas, L.P.		
Site or Facility Name: Valero Houston Refinery		
TCEQ Account Number (if applicable): HG-0130-C		Permit Number: 106909
Regulated Entity Number(RN): RN100219310		Customer Number (CN):
For more information regarding public notice, refer to the instructions in the public notice package.		
New Source Review Permit Notice Verification (Complete this section, if applicable)		
Required signs (for 1 st notice) were posted in accordance with the regulations and instructions of the TCEQ.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Proof of publication of the newspaper notices and the requested affidavits have been furnished in accordance with the regulations and instructions of the TCEQ.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Notice of Receipt of Application and Intent to Obtain Permit (1st Notice):		
A copy of the administratively complete air quality application, and any revisions, were available for review and copying at the public place indicated below throughout the duration of the public comment period.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
The public place indicated below provides public access to the internet (for PSD, nonattainment, or FCAA 112(g) Permit).		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Notice of Application and Preliminary Decision (2nd Notice, if applicable):		
A copy of the complete air quality application (including any subsequent revisions to the application), executive director's preliminary decision (which includes the draft permit), the preliminary determination summary and air quality analysis (if applicable), are available for review and copying at the public place indicated below from the first day after newspaper publication, and will remain available until either: (1) the TCEQ acts on the application; or (2) the application is referred to the State Office of Administrative Hearings (SOAH) for hearing		<input type="checkbox"/> Yes <input type="checkbox"/> No
Name of Public Place: Melcher Library		
Address of Public Place: 7200 Keller Street		
City: Houston	State: Texas	ZIP Code: 77012
This form must be signed and dated by a designated representative acting on behalf of the applicant after the end of the designated comment period. Send this completed form to the TCEQ to the attention of the Office of the Chief Clerk within 10 business days after the end of the designated comment period. The TCEQ will not accept this form if submitted prior to that date.		
Verified by (signature): 		
Applicant: Valero Houston Refinery		
Title: Manager Environmental Engineering		Date: 02/26/2013



[The body of the document contains extremely faint, illegible text that appears to be a series of lines or paragraphs. Due to the low contrast and quality of the scan, the specific content cannot be transcribed.]

1885
v7**AIR, PESTICIDES, AND TOXICS
6TH FLOOR RECORDS CENTER
INFILING / NEW FILE FORM**New File ☐

OR

Infiling ☒

Choose from the file types below:

AIR FACILITY:

- ☐ AR - Acid Rain
☐ CB - Confidential Business
☐ CO - Compliance
☐ EN - **Enforcement
☐ GE - General
☒ PE - Permit
☐ RA - Regulatory Applicability
☐ Other _____

TSCA:

- ☐ AH - Asbestos Hazard Emergency Response Act
☐ AS or AW - Asbestos or Asbestos Worker Protection
☐ CB - Confidential
☐ FI - Site Specific
☐ FO - Non Site Specific
☐ IM - **Section 5 & 8
☐ LB - **Lead
☐ PC - **PCB

** Extension of file type (if needed): ☐ ES - Enforcement Sensitive
☐ DO - Docket Number

EPCRA/SARA ☐**FIFRA** ☐

Current FRS Number:
(Found in EnviroFacts)

110000460885

Facility Name & Physical Address:

Valero Houston Refinery

Houston, Harris Co., TX

Remarks:

Requestor's Name & Phone Number:

Program Management Files:

A current listing of these file types and their numeric codes are located in a blue binder on the top shelf of the "APT" file cabinet in the 9th Floor Records Center.

AIRS - Aerometric Information Retrieval System

ATO - Air Toxics

EMR - Emergency Response

ENF - Enforcement -

ENF 5-5-1 requires Month and Fiscal Year accompany file code.

ENF 5-6-5 requires Fiscal Year accompany file code.

EXR - External Relations

GEO - Geographical Summary Data

GRA - Grants Administration

The majority of this section requires the Fiscal Year accompany file code.

Project Officer Grants require the Grant number and Fiscal Year accompany file code.

LAB - Laboratory Support

LBP - Lead Based Paint

LBP 12-3 requires the facility name in which document refers to be either highlighted or circled on the top page.

LEL - Legal and Legislative

MON - Monitoring NES - National Emission Standards

NSP - New Source Performance

NSR - New Source Review

OPP - Operating Permits Program

PEA - Permits Administration Program

PES - Pesticides

PLA - Planning

PUA - Public Affairs

RAD - Radiation

RCR - Resource Conservation and Recovery Act - Regulatory Development

RDE - Research and Development

REG - Registration

SIP - State Implementation Plan

SUP - Superfund

TITL - Title III

TSC - Toxic Substance Control

TSC 1-1-4 requires the facility name in which document refers to be either highlighted or circled on the top page.

TSU - Technical Support

VRP - Voluntary Reduction Program

Bryan W. Shaw, Ph.D., *Chairman*
Carlos Rubinstein, *Commissioner*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



EPA

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 4, 2013

MR ROBERT E MOORE
VICE PRESIDENT AND PLANT MANAGER
VALERO REFINING TEXAS LP
9701 MANCHESTER ST
HOUSTON TX 77012-2408

Re: Permit Application
Permit Number: 106909
Houston Refinery
Houston, Harris County
Regulated Entity Number: RN100219310
Customer Reference Number: CN600127468

RECEIVED
13 APR 15 PM 4:55
AIR PERMITS SECTION
CPE-R

Dear Mr. Moore:

The executive director has completed the technical review of your application and has prepared a preliminary decision and draft permit.

You are now required to publish notice of your proposed activity. To help you meet the regulatory requirements associated with this notice, we have included the following items:

- Notices for Newspaper Publication (Examples A and B)
- Public Notice Checklist
- Instructions for Public Notice
- Affidavit of Publication for Air Permitting (Form TCEQ-20533) and Alternative Language Affidavit of Publication for Air Permitting (Form TCEQ-20534)
- Web link to download Public Notice Verification Form (refer to Public Notice Instructions)
- Notification List
- Draft Permit

Please note that it is **very important** that you follow **all** directions in the enclosed instructions. If you do not, you may be required to republish the notice. A common mistake is the unauthorized changing of notice wording or font. If you have any questions, please contact us before you proceed with publication.

A "Public Notice Checklist" is enclosed which notes the time limitations for each step of the public notice process. **The processing of your application may be delayed if these time limitations are not met (i.e.; submitting proof of publication of the notice within 10 business days after publication, affidavits of publication within 30 calendar days after the date of publication, and public notice verification form within**

Mr. Robert E Moore

Page 2

April 4, 2013

Re: Permit Number: 106909

10 business days after the end of the designated comment period). This checklist should be used as a tool in conjunction with the enclosed, detailed instructions.

If you do not comply with **all** requirements described in the instructions, further processing of your application may be suspended or the agency may take other actions.

If you have any questions regarding publication requirements, please contact the Office of the Chief Clerk at (512) 239-3300. If you have any other questions, please contact Mr. Robert Havalda, P.E. at (512) 239-1660.

Sincerely,

Bridget C. Bohac

Bridget C. Bohac

Chief Clerk

Office of the Chief Clerk

Texas Commission on Environmental Quality

BB/rh

Enclosures

cc: Bureau Chief Pollution Control & Prevention, Environmental Health Division, Houston
Department of Health and Human Services, Houston
Director, Harris County, Pollution Control Services, Pasadena
Air Section Manager, Region 12 - Houston
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental
Protection Agency, Region 6, Dallas

Project Number: 185306

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



EXAMPLE A

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR AN AIR QUALITY PERMIT

PROPOSED PERMIT NUMBER: 106909

APPLICATION AND PRELIMINARY DECISION. Valero Refining-Texas, L.P., 9701 Manchester St, Houston, Texas 77012-2408, has applied to the Texas Commission on Environmental Quality (TCEQ) for issuance of Proposed Air Quality Permit Number 106909, which would authorize construction of a Houston Refinery located at 9701 Manchester St, Houston, Harris County, Texas 77012. This application was submitted to the TCEQ on November 13, 2012. The proposed facility will emit the following contaminants: carbon monoxide, nitrogen oxides, sulfur dioxide, particulate matter including particulate matter with diameters of 10 microns or less and 2.5 microns or less, organic compounds, and hazardous air pollutants.

The executive director has completed the technical review of the application and prepared a draft permit which, if approved, would establish the conditions under which the facility must operate. The executive director has made a preliminary decision to issue the permit because it meets all rules and regulations. The permit application, executive director's preliminary decision, and draft permit will be available for viewing and copying at the TCEQ central office, the TCEQ Houston regional office, and at Melcher Neighborhood Library, 7200 Keller Street, Houston, Harris County, Texas, beginning the first day of publication of this notice. The facility's compliance file, if any exists, is available for public review at the TCEQ Houston Regional Office, 5425 Polk St Ste H, Houston, Texas.

PUBLIC COMMENT/PUBLIC MEETING. You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit comment or to ask questions about the application. The TCEQ will hold a public meeting if the executive director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing. **You may submit additional written public comments within 30 days of the date of newspaper publication of this notice in the manner set forth in the AGENCY CONTACTS AND INFORMATION paragraph below.**

RESPONSE TO COMMENTS AND EXECUTIVE DIRECTOR ACTION. After the deadline for public comments, the executive director will consider the comments and prepare a response to all relevant and material or significant public comments. Because no timely hearing requests have been received, after preparing the response to comments, the executive director may then issue final approval of the application. **The response to comments, along with the executive director's decision on the application will be mailed to everyone who submitted public comments or is on a mailing list for this application, and will be posted electronically to the Commissioners' Integrated Database (CID).**

INFORMATION AVAILABLE ONLINE. When they become available, the executive director's response to comments and the final decision on this application will be accessible through the Commission's Web site at www.tceq.texas.gov/goto/cid. Once you have access to the CID using the above link, enter the permit number for this application which is provided at the top of this notice. This link to an electronic map of the site or

facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. .
<http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=29.72222&lng=-95.255&zoom=13&type=r>.

MAILING LIST. You may ask to be placed on a mailing list to obtain additional information on this application by sending a request to the Office of the Chief Clerk at the address below.

AGENCY CONTACTS AND INFORMATION. Public comments and requests must be submitted either electronically at www.tceq.texas.gov/about/comments.html, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. If you communicate with the TCEQ electronically, please be aware that your email address, like your physical mailing address, will become part of the agency's public record. For more information about this permit application or the permitting process, please call the Public Education Program toll free at 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Valero Refining Texas LP at the address stated above or by calling Mr. Iuliana Voicu, Sr Environmental Engineer at (713) 924-1040.

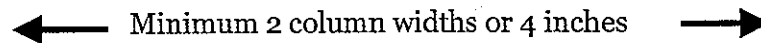
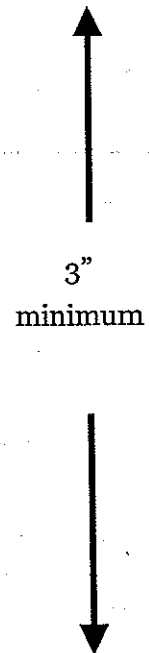
Notice Issuance Date: April 4, 2013

Example B

Publication Elsewhere in the Newspaper:

TO ALL INTERESTED PERSONS AND PARTIES:

Valero Refining-Texas, L.P., has applied to the Texas Commission on Environmental Quality (TCEQ) for issuance of Proposed Air Quality Permit Number 106909, which would authorize construction of a Houston Refinery located at 9701 Manchester St, Houston, Harris County, Texas 77012. Additional information concerning this application is contained in the public notice section of this newspaper.



Public Notice Checklist
Notice of Application and Preliminary Decision for an Air Quality Permit
(2nd Notice)

The following tasks must be completed for public notice. If publication in an alternative language is required, please complete the tasks for both the English and alternative language publications. Detailed instructions are included in the "Instructions for Public Notice" section of this package.

Within 33 calendar days after date of this letter

Publish *Notice of Application and Preliminary Decision for an Air Quality Permit* in the same newspaper(s) in which you published *Notice of Receipt of Intent to Obtain Permit* for this application.

- Example A must be published in "public notice" section of newspaper. Review for accuracy prior to publishing.
- Example B (if applicable) must be published in prominent location (other than "public notice") in same issue of newspaper

Provide copy of the complete application (including any subsequent revisions) and the executive director's preliminary decision (including the draft permit) at a public place for review and copying. Keep them there for duration of the designated comment period.

First day of newspaper publication

Review published newspaper notice for accuracy. If errors, contact Air Permits Division.

Ensure copy of the complete application (including any subsequent revisions) and the executive director's preliminary decision (including the draft permit) are at the public place.

It is recommended that the signs from the first notice be in place and be legible and visible until 30 days after publication of the *Notice of Application and Preliminary Decision* (either English or alternative language notice, whichever is later).

Within 10 business days after date of publication

Mail original proof of publication showing publication date and newspaper name to:

Texas Commission on Environmental Quality

Office of the Chief Clerk, MC-105

Attn: Notice Team

P.O. Box 13087

Austin, Texas 78711-3087

Mail photocopies of newspaper clippings showing publication date and newspaper name to persons listed on *Notification List*.

Within 30 calendar days after date of publication

Mail original affidavit of publication for air permitting and alternative language affidavit of publication for air permitting (if applicable) to:

Texas Commission on Environmental Quality

Office of the Chief Clerk, MC-105

Attn: Notice Team

P.O. Box 13087

Austin, Texas 78711-3087

Mail photocopies of affidavits to persons listed on *Notification List*.

Within 10 business days after end of the designated comment period

Mail Public Notice Verification Form to:

Texas Commission on Environmental Quality

Office of the Chief Clerk, MC-105

Attn: Notice Team

P.O. Box 13087

Austin, Texas 78711-3087

Mail photocopies of Public Notice Verification Form to persons listed on *Notification List*.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



Instructions for Public Notice For New Source Review Air Permit

Notice of Application and Preliminary Decision

We have completed the technical review of your application and issued a preliminary decision. You must comply with the following instructions:

Review Notice

Included in the notice is all of the information which the commission believes is necessary to effectuate compliance with applicable public notice requirements. Please read it carefully and notify the Texas Commission on Environmental Quality (TCEQ) immediately if it contains any errors or omissions. You are responsible for ensuring the accuracy of all information published. You may not change the text of the notice without prior approval from the TCEQ.

Newspaper Notice

- You must publish the enclosed *Notice of Application and Preliminary Decision for an Air Quality Permit* within **33 calendar days** after the date this information was mailed to you (see date of letter).
- You must publish the enclosed *Notice of Application and Preliminary Decision for an Air Quality Permit* at your expense, in the same newspaper(s) in which you published the *Notice of Receipt and Intent to Obtain Permit* for this application. The newspaper must be a newspaper that is of general circulation in the municipality where the facility is or will be located. If the facility is not located within a municipality, the newspaper must be of general circulation in the municipality nearest the location.
- You must publish this notice in one issue of any applicable newspaper.
- You will find two example notices enclosed in this package. *Example A* must be published in the "public notice" section of the newspaper. The phrase "Example A" is not required to be published. *Example B* must be published in the **same issue** of the newspaper as *Example A*; however, it must be published in a prominent location (other than the public notice section). *Example B* refers the public to the "public notice" section of the newspaper where *Example A* provides more information regarding the permit application.
- *Example B* must be a total of at least **6 column inches (standard advertising units)** with a height of at least **3 inches** and a horizontal dimension of **2 column widths**. If the newspaper chosen does not use standard advertising units for measurement, the notice must be at least **12 square inches** with the shortest side of at least **3 inches**.

- The bold text of the enclosed notice **must** be printed in the newspaper in a font style or size that distinguishes it from the rest of the notice (i.e., **bold**, *italics*). **Failure to do so may require re-notice.**

Alternative Language Notice

In certain circumstances, applicants for air permits must complete notice in alternative languages.

- Public notice rules require the applicant to determine whether a bilingual program is required at either the elementary or middle school nearest to the facility or proposed facility location. Bilingual education programs are determined on a district-wide basis. When students who are required to attend either school are eligible to be enrolled in a bilingual education program, some alternative language notice is required (newspaper notice).
- Since the school district, and not the schools, must provide the bilingual education program, these programs do not have to be located at the elementary or middle school nearest to the facility or proposed facility to trigger the alternative language notice requirement. If there are students who would normally attend the nearest schools eligible to be taught in a bilingual education program at a different location, alternative language notice is required.
- If triggered, publications of alternative language notices must be made in a newspaper or publication printed primarily in each language taught in the bilingual education program. The same newspaper(s) used for *Notice of Receipt and Intent to Obtain Permit* must be used for publication of the *Notice of Application and Preliminary Decision for an Air Quality Permit*. This notice is required if such a newspaper or publication exists in the municipality or the county where the facility is or will be located.
- The applicant must demonstrate a good faith effort to identify a newspaper or publication in the required language. If a newspaper or publication of general circulation published at least once a month in such language cannot be found, publishing in that language is not required, but signs must remain posted in the same location(s) utilized during the *Notice of Receipt of Intent to Obtain Permit (1st public notice)*.
- Publication in an alternative language section or insertion within an English language newspaper does not satisfy these requirements.
- The applicant has the burden to demonstrate compliance with these requirements. You must fill out the **Public Notice Verification Form (Form TCEQ-20244)** indicating your compliance with the requirements regarding publication in an alternative language. **This form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html.**

- It is suggested the applicant work with the local school district to do the following:
 - (a) determine if a bilingual program is required in the district;
 - (b) determine which language is required by the bilingual program;
 - (c) locate the nearest elementary and middle schools; and
 - (d) determine if any students attending either school are entitled to be enrolled in a bilingual educational program.
- **If you determine that you must meet the alternative language notice requirements, you are responsible for ensuring that the publication in the alternative language is complete and accurate in that language.** Since the most common bilingual programs are in Spanish, the TCEQ has provided example Spanish notice templates for your use. All italic notes should be replaced with the corresponding Spanish translations for the specific application and published in the alternative language publication. Electronic versions of the Spanish templates are available through the Air Permits Division Web site at www.tceq.texas.gov/goto/air/publicnotice.
- If you are required to publish notice in a language other than Spanish, you must translate the entire public notice at your own expense.

Public Comment Period

- The public comment period will last at least **30 calendar days after publication of the last notice.**
- The comment period will be longer if the last day of the public comment period ends on a weekend or a holiday. In this case, the comment period will end on the next business day.
- The comment period for the permit may lengthen depending on whether a public meeting is held. If a public meeting is held, the comment period will be extended to the later of either the date of the public meeting or the end of the second notice period.

Proof of Publication

- Check each publication to ensure that the articles were accurately published. If a notice was not published correctly you may be required to republish.
- For each newspaper in which you published, you must submit proof of publication that shows the notice, the date of publication, and the name of the newspaper to the Office of the Chief Clerk within **10 business days** after the date of publication. Acceptable proofs of publication are 1) copies of the published notice or 2) the original newspaper clippings of the published notice. If you choose to submit copies of the published notice to the Office of the Chief Clerk, copies must be on standard-size 8½" x 11" paper and must show the actual size of the published notice (do not reduce the image when making copies). Published notices longer than 11" must be copied onto multiple 8½" x 11" pages. Please note, submitting a copy of your published notice could result in faster processing of your application. It is recommended that you maintain original newspaper clippings or tear sheets of the notice for your records.
- You must submit an **original affidavit of publication for air permitting and alternate language affidavit of publication for air permitting (if applicable)**

to the Office of the Chief Clerk within **30 calendar days** after the date of publication. **You must use the enclosed affidavit forms.** The affidavits must clearly identify the applicant's name and permit number. You are encouraged to submit the affidavit with the proof of publication described above.

- You must submit the **Public Notice Verification Form (Form TCEQ-20244)** to the Office of the Chief Clerk within **10 business days** of the end of this public comment period. You must use this form to certify that you have met bilingual notice requirements. **This form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html.**

- The **original affidavits of publication, Public Notice Verification Form, and acceptable proof of publication of the published notices** must be mailed to:

Texas Commission on Environmental Quality

Office of the Chief Clerk, MC-105

Attn: Notice Team

P.O. Box 13087

Austin, Texas 78711-3087

- Please ensure that the affidavit(s) you send to the Chief Clerk is/are originals and that all blanks on the affidavit are filled in correctly. Photocopies of affidavits will not be accepted.
- Photocopies of newspaper clippings, affidavits, and verifications must also be sent to those listed on the enclosed *Notification List* within the deadlines specified above.

Failure to Publish and Submit Proof of Publication

You must meet all publication requirements. **If you fail to publish the notice or submit proof of publication on time,** the TCEQ may suspend further processing on your application or take other actions.

Sign Posting

It is recommended that the signs that were put in place prior to publication of the first notice remain in place and be legible and visible until 30 days after publication of the *Notice of Application and Preliminary Decision* (either English or alternative language notice, whichever is later).

Application in a Public Place

- You must provide a copy of the complete application (including any subsequent revisions) and the executive director's preliminary decision (including the draft permit), at a public place for review and copying by the public. This place must be in the county in which the facility is located or proposed to be located.
- A public place is one that is publicly owned or operated (ex: libraries, county courthouses, or city halls.)
- This copy must be accessible to the public for review and copying. The copy must be available beginning on the first day of newspaper publication and remain in place until

*the commission has taken action on the application or the commission refers issues to the State Office of Administrative Hearings.

- If the application is submitted to the TCEQ with information marked as "CONFIDENTIAL," you are required to indicate which specific portions of the application are not being made available to the public. These portions of the application must be accompanied with the following statement: "Any request for portions of this application that are marked as confidential must be submitted in writing, pursuant to the Public Information Act, to the Texas Commission on Environmental Quality, Public Information Coordinator, MC-197, P.O. Box 13087, Austin, Texas 78711-3087."
- You must submit verification of file availability using the **Public Notice Verification Form (Form TCEQ-20244)** within **10 business days** after end of the publications' designated comment period. Do not submit the form verifying that the application was in a public place until after the comment period is complete. If a public meeting is held or second notice is required causing the public comment period to be extended, at a later date you will be required to verify that the application was in a public place during the entire public comment period. **This form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html.**

General Information

When contacting the Commission regarding this application, please refer to the permit number at the top of the *Notice of Application and Preliminary Decision*.

If you have questions or need assistance regarding publication requirements, please contact the Office of the Chief Clerk at (512) 239-3300 or the project reviewer listed in the cover letter.

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Valero Refining-Texas, L.P.

Permit No.: 106909

AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS

§

COUNTY OF _____

§

Before me, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn,
(name of person representing newspaper)

deposes and says that (s)he is the _____
(title of person representing newspaper)

of the _____;
(name of newspaper)

in _____, Texas;
(the municipality or nearest municipality (not county) to the location of the facility or the proposed facility)

that the enclosed notice was published in said newspaper on the following date(s):

(newspaper representative's signature)

Subscribed and sworn to before me this the _____ day of _____, 20____,

to certify which witness my hand and seal of office.

(Seal)

Notary Public in and for the State of Texas

Print or Type Name of Notary Public

My Commission Expires

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Valero Refining-Texas, L.P.

Permit No.: 106909

ALTERNATIVE LANGUAGE AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §

COUNTY OF _____ §

Before me, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn, deposes
(name of person representing newspaper)

and says that (s)he is the _____ of the
(title of person representing newspaper)

_____ that said newspaper or publication is generally circulated
(name of newspaper)

in _____, Texas;
(the municipality or the same county as the location of the facility or the proposed facility)

that the enclosed notice was published in said newspaper or publication on the following date(s):

(newspaper or publication representative's signature)

Subscribed and sworn to before me this the ____ day of _____, 20____.

to certify which witness my hand and seal of office.

Notary Public in and for the State of Texas

(Seal)

Print or Type Name of Notary Public

My Commission Expires

Notification List

It is the responsibility of the applicant to furnish the following offices with copies of the notices published, the *Affidavit of Publication for Air Permitting*, the *Alternative Language Affidavit of Publication for Air Permitting (if applicable)*, and a completed copy of the *Public Notice Verification Form (Form TCEQ-20244)*. Acceptable proof of publication and originals of any affidavits and Form TCEQ-20244 should be sent to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. **Copies** should be sent to the following:

U.S. Environmental Protection Agency
Region 6
Attn: Air Permits Section (6PD-R)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Texas Commission on Environmental Quality
Houston Regional Office
5425 Polk St Ste H
Houston, Texas 77023-1452

Texas Commission on Environmental Quality
Office of Air
Air Permits Division, MC-163
Mr. Robert Havalda, P.E.
P.O. Box 13087
Austin, Texas 78711-3087

Bureau Chief Pollution Control & Prevention
Environmental Health Division
Houston Department of Health and Human
Services
7411 Park Place Blvd
Houston, Texas 77087-4441

Director
Harris County
Pollution Control Services
101 S Richey St Ste H
Pasadena, Texas 77506-

SPECIAL CONDITIONS

Permit Number 106909

Emission Limitations

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates" and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating requirements specified in the special conditions.

Federal Applicability

2. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) on Standards of Performance for New Stationary Sources promulgated for:
 - A. Subpart A, General Provisions;
 - B. Subpart Ja, Petroleum Refineries;
 - C. Subpart Kb, Volatile Organic Liquid Storage Vessels;
 - D. Subpart GGG, Equipment Leaks of Volatile Organic Compounds (VOC) in Petroleum Refineries; and
 - E. Subpart QQQ, VOC Emissions from Petroleum Refinery Wastewater Systems.
3. These facilities shall comply with all applicable requirements of the EPA regulations in 40 CFR Part 61 on National Emission Standards for Hazardous Air Pollutants (NESHAPS) promulgated for:
 - A. Subpart A, General Provisions; and
 - B. Subpart FF, Benzene Waste Operations.
4. These facilities shall comply with all applicable requirements of EPA regulations in 40 CFR Part 63 on NESHAPS for Source Categories for:
 - A. Subpart A, General Provisions;
 - B. Subpart CC, Petroleum Refineries; and
 - C. Subpart DDDDD, Industrial, Commercial and Institutional Boilers and Process Heaters

Operational Limitations

Piping, Valves, Connectors, Pumps, Agitators, and Compressors - 28VHP

5. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment:
- A. The requirements of paragraphs F and G shall not apply (1) where the Volatile Organic Compound (VOC) has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.
 - (1) The exempted components may be identified by one or more of the following methods:
 - (2) piping and instrumentation diagram (PID);
 - (3) a written or electronic database or electronic file;
 - (4) color coding;
 - (5) a form of weatherproof identification; or
 - (6) designation of exempted process unit boundaries.
 - B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
 - C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
 - D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.

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E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

- (1) Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;
- (2) a cap, blind flange, plug, or second valve must be installed on the line or valve; or
- (3) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72 hour period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

F. Accessible valves shall be monitored by leak checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. If a relief valve is equipped with rupture disc, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity.

- (1) A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

SPECIAL CONDITIONS

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- (2) The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.
- (3) Replacements for leaking components shall be re-monitored within 15 days of being placed back into VOC service.
- G. Except as may be provided for in the special conditions of this permit, all pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.
- H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump, compressor, and agitator seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A first attempt to repair the leak must be made within 5 days and a record of the attempt shall be maintained.
- I. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a

delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.

- J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.
- K. Alternative monitoring frequency schedules of 30 TAC §§ 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.
- L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.

Storage of VOC's

6. Storage tanks are limited to the following services:

Tank Number	Service(s)
91FB902	Crude Oil
90FB223	Kerosene/Jet Fuel/Diesel
90FB229	Kerosene/Jet Fuel/Diesel

7. Storage tanks are subject to the following requirements: The control requirements specified in paragraphs A-D of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.50 psia at the maximum feed temperature or 95°F, whichever is greater, or (2) to storage tanks smaller than 25,000 gallons.

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- A. An internal floating deck or "roof" or equivalent control shall be installed in all tanks. The floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal.
- B. An open-top tank containing a floating roof (external floating roof tank) which uses double seal or secondary seal technology shall be an approved control alternative to an internal floating roof tank provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim-mounted. A weathershield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor tight.
- C. For any tank equipped with a floating roof, the permit holder shall perform the visual inspections and seal gap measurements as specified in Title 40 Code of Federal Regulations § 60.113b (40 CFR § 60.113b) Testing and Procedures (as amended at 54 FR 32973, Aug. 11, 1989) to verify fitting and seal integrity. Records shall be maintained of the dates seals were inspected and seal gap measurements made, results of inspections and measurements made (including raw data), and actions taken to correct any deficiencies noted.
- D. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 dated November 1, 1998 except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.
- E. Uninsulated tank exterior surfaces exposed to the sun shall be white or aluminum. Storage tanks must be equipped with permanent submerged fill pipes.
- F. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12 month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures. Emissions for tanks shall be calculated using: the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."

Combustion Units

8. Process Heater (EPN: 51HTR) shall be fired with natural gas and/or refinery fuel gas.
9. Emissions from Process Heater (EPN: 51HTR) shall not exceed the following:
 - A. 0.03 lb NO_x/MMBtu on an hourly average
 - B. 100 ppmvd CO corrected to 3 percent oxygen on an hourly average
 - C. 10 ppmv NH₃ corrected to 3 percent oxygen on an hourly average
10. The NH₃ concentration in the Process Heater (EPN: 51HTR) exhaust stack shall be tested or calculated according to one of the methods listed below and shall be tested or calculated according to frequency listed below. Testing for NH₃ slip is only required on days when the SCR unit is in operation.
 - A. The holder of this permit may install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of NH₃. The NH₃ concentrations shall be corrected and reported in accordance with Special Condition No. 9.
 - B. As an approved alternative, the NH₃ slip may be measured using a sorbent or stain tube device specific for NH₃ measurement in the 5 to 10 parts per million (ppm) range. The frequency of sorbent/stain tube testing shall be daily for the first 60 days of operation, after which the frequency may be reduced to weekly testing if operating procedures have been developed to prevent excess amounts of NH₃ from being introduced in the SCR unit and when operation of the SCR unit has been proven successful with regard to controlling NH₃ slip. Daily sorbent or stain tube testing shall resume when the catalyst is within 30 days of its useful life expectancy. These results shall be recorded and used to determine compliance with Special Condition No. 9.
 - C. As an approved alternative to sorbent or stain tube testing or an NH₃ CEMS, the permit holder may install and operate a second NO_x CEMS probe located between the firebox and the SCR, upstream of the stack NO_x CEMS, which may be used in association with the SCR efficiency and NH₃ injection rate to estimate NH₃ slip. This condition shall not be construed to set a minimum NO_x reduction efficiency on the SCR unit. These results shall be recorded and used to determine compliance with Special Condition No. 9.
 - D. If the sorbent or stain tube testing indicates an NH₃ slip concentration which exceeds 5 ppm at any time, the permit holder shall begin NH₃ testing by either the Phenol Nitroprusside Method, the Indophenol Method, or the EPA Conditional Test Method (CTM) 27 on a quarterly basis, in addition to the weekly sorbent or stain tube testing. The quarterly testing shall continue until such time as the SCR unit catalyst is replaced; or if the quarterly testing indicates NH₃ slip is 4 ppm or less, the Phenol Nitroprusside/Indophenol/CTM 27 tests may be

suspended until sorbent or stain tube testing again indicate 5 ppm NH_3 slip or greater. These results shall be recorded and used to determine compliance with Special Condition No. 9.

- E. As an approved alternative to sorbent or stain tube testing, NH_3 CEMS, or a second NO_x CEMS, the permit holder may install and operate a dual stream system of NO_x CEMS at the exit of the SCR. One of the exhaust streams would be routed, in an unconverted state, to one NO_x CEMS and the other exhaust stream would be routed through a NH_3 converter to convert NH_3 to NO_x and then to a second NO_x CEMS. The NH_3 slip concentration shall be calculated from the delta between the two NO_x CEMS readings (converted and unconverted). These results shall be recorded and used to determine compliance with Special Condition No. 9.
- F. Any other method used for measuring NH_3 slip shall require prior approval from the TCEQ Regional Director.

Continuous Emissions Monitoring

11. The permit holder shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of CO , NO_x , and O_2 from Process Heater (EPN: 5-HTR).

A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60), Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division for requirements to be met.

B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:

- (1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.
- (2) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix

B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of +15 percent accuracy indicate that the CEMS is out of control.

- C. The monitoring data shall be reduced to hourly average concentrations at least once everyday, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of pounds per hour at least once every week as follows:

The measured hourly average concentration from the CEMS shall be multiplied by the design flow rate identified in the initial permit application to determine the hourly emission rate.

- D. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
- E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.
- F. Quality-assured (or valid) data must be generated when the Process Heater (EPN: 51HTR) is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the Process Heater (EPN: 51HTR) operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.

Stack Testing

12. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the

atmosphere from Process Heater (EPN: 51HTR) to demonstrate compliance with the MAERT and lb/MMBtu limits of Special Condition No. 9. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual and the U.S. Environmental Protection Agency (EPA) Reference Methods.

- A. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60) testing which must have EPA approval shall be submitted to the TCEQ Regional Director.
- B. The appropriate TCEQ Regional Office shall be notified not less than 45 days prior to sampling. The notice shall include:
- (1) Proposed date for pretest meeting.
 - (2) Date sampling will occur.
 - (3) Name of firm conducting sampling.
 - (4) Type of sampling equipment to be used.
 - (5) Method or procedure to be used in sampling.
 - (6) Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.
 - (7) Procedure/parameters to be used to determine worst case emissions during the sampling period.
 - (8) The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for the test reports. The TCEQ Regional Director must approve any deviation from specified sampling procedures.
- C. Air contaminants emitted from the Process Heater (EPN: 51HTR) to be tested for include CO, NO_x, O₂ and NH₃.
- D. Sampling shall occur within 60 days after achieving the maximum operating rate, but no later than 180 days after initial start-up of the facilities and at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate regional office.

- E. The facility being sampled shall operate at the maximum firing rate during stack emission testing. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods. During the initial stack test, the permit holder may be allowed to fire the heater at levels up to 15 percent above the firing rate limits represented in the initial permit application.
- (1) During subsequent operations, if the maximum firing rate is greater than that recorded during the test period, stack sampling shall be performed at the new operating conditions within 120 days. This sampling may be waived by the TCEQ Air Section Manager for the region.
- F. Copies of the final sampling report shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled "Chapter 14, Contents of Sampling Reports" of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
- (a) One copy to the appropriate TCEQ Regional Office.
- (b) One copy to each local air pollution control program.
13. Sampling ports and platform(s) shall be incorporated into the design of Process Heater (EPN: 51HTR) according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual. Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Director.

Maintenance, Startup and Shutdown

14. Permit No. 80493 authorizes the emissions from the facilities identified below for the planned maintenance, startup, and shutdown (MSS) activities summarized in the MSS Activity Summary (Attachment C) attached to Permit No. 80493.
- A. Storage Tanks 91FB902 (EPN: 91FB902), 90FB223 (EPN: 90FB223), and 90FB229 (EPN: 90FB229)
- B. Fugitive components (EPN: 51FUG)
- C. Process Heater (EPN: 51HTR)

Within 90 days of issuance of this permit, the permit holder shall submit an application to the TCEQ transferring the above listed MSS activities to Permit No. 80493.

Recordkeeping

15. All the following records shall be maintained electronically or in hard copy format for at least five years and shall be used to demonstrate compliance with the Special Conditions and the limits specified in the MAERT. All records required in this permit shall be made available at the request of personnel from the TCEQ or any air pollution control agency with jurisdiction.
 - A. Fugitives
 - (1) Records of all inspections, repairs and replacements made due to leaks and of all leaks that cannot be repaired until the next scheduled shutdown in accordance with Special Condition No. 5.
 - B. Storage Tanks
 - (1) For purposes of assuring compliance with VOC emission limitations, the holder of this permit shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12 month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures.
 - (2) For any tank equipped with a floating roof, records of the dates seals were inspected, seal integrity, and corrective actions taken.
 - C. Heater and SCR
 - (1) Permit application dated November 2012, and subsequent representations submitted to the TCEQ.
 - (2) A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 12 to demonstrate initial compliance.
 - (3) Stack sampling results or other air emissions testing that may be conducted on units authorized under this permit after the date of issuance of this permit.

SPECIAL CONDITIONS

Permit Number 106909

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- (4) Records of all NO_x, CO and NH₃ monitoring data and quality-assurance data as required by Special Condition No. 9.

D. CEMS

- (1) Records of all monitoring data and quality-assurance data as required by Special Condition No. 11. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

E. Maintenance, Startup and Shutdown

- (1) The facility records for this permit shall include records of MSS activities and emissions as specified in Special Conditions No. 9 and 14. All records shall be kept on site in a current and complete condition, and shall be made available upon request to representatives of the TCEQ.

F. Benzene Reductions

- (1) This permit authorizes 0.81 tpy of benzene. Records shall be maintained at the site demonstrating benzene reductions of 0.81 tpy or greater by additional procedures above currently authorized special conditions. Records shall be maintained on a monthly basis.

Date: Date



1. The first part of the document is a letter from the President of the United States to the Congress, dated January 1, 1863. It is a very important document, as it contains the President's message to the Congress, and is one of the most important documents in the history of the United States.

2. The second part of the document is a letter from the President of the United States to the Congress, dated January 1, 1863. It is a very important document, as it contains the President's message to the Congress, and is one of the most important documents in the history of the United States.

3. The third part of the document is a letter from the President of the United States to the Congress, dated January 1, 1863. It is a very important document, as it contains the President's message to the Congress, and is one of the most important documents in the history of the United States.

4. The fourth part of the document is a letter from the President of the United States to the Congress, dated January 1, 1863. It is a very important document, as it contains the President's message to the Congress, and is one of the most important documents in the history of the United States.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 106909

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
51HTR	Process Heater	NO _x	7.77	8.76
		CO	16.09	28.18
		VOC	1.35	4.72
		SO ₂	6.46	8.75
		PM	1.86	6.53
		PM ₁₀	1.86	6.53
		PM _{2.5}	1.86	6.53
		NH ₃	1.14	4.00
51FUG	Crude Unit 51 Fugitive Components (5)	VOC	13.98	61.24
		Benzene	0.13	0.58
91FB902	Storage Tank 91FB902	VOC	4.10	7.54
		Benzene	0.01	0.02
90FB223	Storage Tank 90FB223	VOC	0.53	0.79
		Benzene	0.01	0.01
90FB229	Storage Tank 90FB229	VOC	0.53	0.79
		Benzene	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
NH₃ - Ammonia
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____

AIR, PESTICIDES, AND TOXICS 6TH FLOOR RECORDS CENTER INFILING / NEW FILE FORM

New File ☐

OR

Infiling ☒

Choose from the file types below:

AIR FACILITY:☐ AR - Acid Rain☐ CB - Confidential Business☐ CO - Compliance☐ EN - **Enforcement☐ GE - General☒ PE - Permit☐ RA - Regulatory Applicability☐ Other _____**TSCA:**☐ AH - Asbestos Hazard Emergency Response Act☐ AS or AW - Asbestos or Asbestos Worker Protection☐ CB - Confidential☐ FI - Site Specific☐ FO - Non Site Specific☐ IM - **Section 5 & 8☐ LB - **Lead☐ PC - **PCB** Extension of file type (if needed): ☐ ES - Enforcement Sensitive☐ DO - Docket Number**EPCRA/SARA** ☐**FIFRA** ☐*EPA Registry I.D.*

Current FRS Number:

(Found in EnviroFacts)

110000460885

Facility Name & Physical Address:

*Valero Refining Texas LP
Houston Refinery*

9701 Manchester Ave.

Houston, TX, 77012 2408

Remarks:

Requestor's Name & Phone Number:

Les Kovg

X6733

Program Management Files:

A current listing of these file types and their numeric codes are located in a blue binder on the top shelf of the "APT" file cabinet in the 9th Floor Records Center.

AIRS - Aerometric Information Retrieval System

ATO - Air Toxics

EMR - Emergency Response

ENF - Enforcement -

ENF 5-5-1 requires Month and Fiscal Year accompany file code.

ENF 5-6-5 requires Fiscal Year accompany file code.

EXR - External Relations

GEO - Geographical Summary Data

GRA - Grants Administration

The majority of this section requires the Fiscal Year accompany file code.

Project Officer Grants require the Grant number and Fiscal Year accompany file code.

LAB - Laboratory Support

LBP - Lead Based Paint

LBP 12-3 requires the facility name in which document refers to be either highlighted or circled on the top page.

LEL - Legal and Legislative

MON - Monitoring NES - National Emission Standards

NSP - New Source Performance

NSR - New Source Review

OPP - Operating Permits Program

PEA - Permits Administration Program

PES - Pesticides

PLA - Planning

PUA - Public Affairs

RAD - Radiation

RCR - Resource Conservation and Recovery Act - Regulatory Development

RDE - Research and Development

REG - Registration

SIP - State Implementation Plan

SUP - Superfund

TITL - Title III

TSC - Toxic Substance Control

TSC 1-1-4 requires the facility name in which document refers to be either highlighted or circled on the top page.

TSU - Technical Support

VRP - Voluntary Reduction Program

Bryan W. Shaw, Ph.D., *Chairman*
Carlos Rubinstein, *Commissioner*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



EDA

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 26, 2013

MR ROBERT E MOORE
VICE PRESIDENT AND GENERAL MANAGER
VALERO REFINING-TEXAS LP
9701 MANCHESTER ST
HOUSTON TX 77012-2408

Re: Permit Amendment Application
Permit Number: 2501A
Houston Refinery
Houston, Harris County
Regulated Entity Number: RN100219310
Customer Reference Number: CN600127468
Account Number: HG-0130-C

RECEIVED
13 MAR -5 AM 11:56
AIR PERMITS SECTION
SPD-R

Dear Mr. Moore:

This is in response to your letter received January 8, 2013 and your Form PI-1 (General Application for Air Preconstruction Permits and Amendments) concerning the proposed amendment to Permit Number 2501A. We understand that you propose to demolish the existing storage tank 90FBo05 and construct a new storage tank 90FBo05.

As indicated in Title 30 Texas Administrative Code § 116.116(b) and § 116.160 [30 TAC § 116.116(b) and § 116.160], and based on our review, Permit Number 2501A is hereby amended. This information will be incorporated into the existing permit file. Enclosed are a revised maximum allowable emission rates (MAERT) table and a new permit face to replace those currently attached to your permit. We appreciate your careful review of the special conditions of the permit and assuring that all requirements are consistently met.

Planned maintenance, startup, and shutdown emissions have been previously reviewed, authorized, and included in the MAERT. Any other maintenance activities are not authorized by this permit and will need to obtain a separate authorization.

This amendment will be automatically void upon the occurrence of any of the following, as indicated in 30 TAC § 116.120(a):

1. Failure to begin construction of the changes authorized by this amendment within 18 months from the date of this authorization.
2. Discontinuance of construction of the changes authorized by this amendment for a period of 18 consecutive months or more.
3. Failure to complete the changes authorized by this amendment within a reasonable time.

Mr. Robert E Moore

Page 2

February 26, 2013

Re: Permit Number: 2501A

Upon request, the executive director may grant extensions as allowed in 30 TAC § 116.120(b).

You may file a **motion to overturn** with the Chief Clerk. A motion to overturn is a request for the commission to review the executive director's decision. Any motion must explain why the commission should review the executive director's decision. According to 30 TAC § 50.139, an action by the executive director is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

A motion to overturn must be received by the Chief Clerk within 23 days after the date of this letter. An original and 11 copies of a motion must be filed with the Chief Clerk in person, or by mail to the Chief Clerk's address on the attached mailing list. On the same day the motion is transmitted to the Chief Clerk, please provide copies to the applicant, the executive director's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request **judicial review** of the executive director's approval. According to Texas Health and Safety Code § 382.032, a person affected by the executive director's approval must file a petition appealing the executive director's approval in Travis County district court within 30 days after the **effective date of the approval**. Even if you request judicial review, you still must exhaust your administrative remedies, which includes filing a motion to overturn in accordance with the previous paragraphs.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Mr. Robert Havalda, P.E. at (512) 239-1660 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Mr. Robert E Moore
Page 3
February 26, 2013

Re: Permit Number: 2501A

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,



Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/rh

Enclosures

cc: Bureau Chief Pollution Control & Prevention, Environmental Health Division, Houston
Department of Health and Human Services, Houston
Director, Harris County, Pollution Control Services, Pasadena
Air Section Manager, Region 12 - Houston
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental
Protection Agency, Region 6, Dallas

Project Number: 187291





TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT



A Permit Is Hereby Issued To
Valero Refining-Texas, L.P.
Authorizing the Construction and Operation of
Houston Refinery
Located at Houston, Harris County, Texas
Latitude 29° 43' 24" Longitude 095° 15' 11"

Permit: 2501A

Amendment Date : February 26, 2013

Renewal Date: August 4, 2010


For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC 116.115(b)(2)(F)]
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.

Emission Sources - Maximum Allowable Emission Rates

Permit Number 2501A

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
22AVENT	BHT Catalyst Regeneration	VOC	5.00	0.06
22FA225	Alky Unit Bauxite Tower Washing	VOC	1.00	0.03
21FUG	MTBE Unit Fugitives (5)	VOC	2.60	11.39
22FUG	Alky Unit Fugitives (5)	VOC	10.20	44.63
22AFUG	BHT Fugitives (5)	VOC	1.30	5.87
42FUG	FCC Cat Gas Unit Fugitives (5)	VOC	0.70	2.98
42AFUG	FCC Unit Fugitives (5)	VOC	1.70	7.62
42BFUG	FCC Cat Con Unit Fugitives (5)	VOC	4.20	18.31
42CFUG	FCC Depentanizer Unit Fugitives (5)	VOC	0.80	3.68
43FUG	FCC Merox Unit Fugitives (5)	VOC	2.30	10.21
43AFUG	FCC Propylene Unit Fugitives (5)	VOC	1.00	4.20
81CWT1	Cooling Tower No. 1	VOC	1.30	5.52
22CWT3	Cooling Tower No. 3	VOC	0.40	1.84
42CWT10	Cooling Tower No. 10	VOC	1.70	7.36
22FB731	Storage Tank 22FB731 (6)	VOC	7.60	0.55
22FB748	Storage Tank 22FB748 (6)	VOC	6.40	0.84
22FB747	Storage Tank 22FB747	VOC	0.10	0.01
90FB005	Storage Tank 90FB005	VOC	4.71	3.82
90FB001	Storage Tank 90FB001	VOC	0.80	---
90FB006	Storage Tank 90FB006	VOC	0.80	---
90FB213	Storage Tank 90FB213	VOC	0.20	---
90FB001, 90FB006, 90FB213	Storage Tank Cap	VOC	---	0.82
91FB905	Storage Tank 91FB905	VOC	0.20	0.31
91FB916	Storage Tank 91FB916	VOC	0.80	2.40
91FB917	Storage Tank 91FB917	VOC	1.80	2.22
90FB223	Storage Tank 90FB223	VOC	3.10	---

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
90FB230	Storage Tank 90FB230	VOC	3.10	---
90FB223, 90FB230	Storage Tank Cap	VOC	---	18.15
90FB510	Storage Tank 90FB510 (interim)	VOC	0.50	0.49
90FB510	Storage Tank 90FB510 (final)	VOC	0.40	0.35
90FB218	Storage Tank 90FB218	VOC	1.10	---
90FB219	Storage Tank 90FB219	VOC	1.10	---
90FB218, 90FB219	Storage Tank Cap	VOC	---	3.34
91FB402	Storage Tank 91FB402	VOC	1.10	2.63
90FB205	Storage Tank 90FB205	VOC	3.50	---
		Benzene	0.20	---
90FB226	Storage Tank 90FB226	VOC	3.50	---
		Benzene	0.20	---
90FB228	Storage Tank 90FB228	VOC	3.50	---
		Benzene	0.20	---
90FB505	Storage Tank 90FB505	VOC	3.50	---
		Benzene	0.20	---
90FB506	Storage Tank 90FB506	VOC	3.50	---
		Benzene	0.20	---
90FB507	Storage Tank 90FB507	VOC	2.27	---
		Benzene	0.03	---
90FB508	Storage Tank 90FB508	VOC	3.60	---
		Benzene	0.30	---
90FB205, 90FB226, 90FB228, 90FB505, 90FB506, 90FB507, 90FB508	Storage Tank Cap	VOC	---	69.81
		Benzene	---	4.17
91FB918	Storage Tank 91FB918	VOC	0.50	---
91FB920	Storage Tank 91FB920	VOC	0.40	---
91FB921	Storage Tank 91FB921	VOC	0.40	---
91FB918, 91FB920, 91FB921	Storage Tank Cap	VOC	---	1.07
90FB215	Storage Tank 90FB215	VOC	4.40	---

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
90FB216	Storage Tank 90FB216	VOC	3.30	---
90FB217	Storage Tank 90FB217	VOC	4.10	---
90FB233	Storage Tank 90FB233	VOC	3.50	---
90FB215, 90FB216, 90FB217, 90FB233	Storage Tank Cap	VOC	---	22.27
90FB232	Storage Tank 90FB232	VOC	3.10	7.63
90FB220	Storage Tank 90FB220	VOC	0.80	---
90FB224	Storage Tank 90FB224	VOC	1.00	---
90FB222, 90FB224	Storage Tank Cap	VOC	---	1.15
42FB2802	Storage Tank 42FB2802	VOC	0.10	0.01
30FL1, 30FL2, 30FL5	Derrick Flare, IsoMax Flare, and FCC Flare (7)	NO _x	3.70	16.30
		CO	26.80	117.40
		VOC	74.80	327.60
		SO ₂	21.20	92.70
		H ₂ S	0.20	0.90
91DA702	Thermal Oxidizer	NO _x	5.30	0.80
		CO	2.70	0.40
		VOC	16.90	0.80
42CB2001	FCC Unit Stack (8)	NO _x	270.00	528.00
		CO	269.00	198.00
		VOC	13.00	37.00
		SO ₂	2150.00	3894.00
		PM	93.00	240.00
		NH ₃	8.00	22.00

Emission Sources - Maximum Allowable Emission Rates

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Tanks 22FB731 and 22FB748 shall not be filled simultaneously.
- (7) Each flare may be used in continuous service and intermittent service (start-up, shutdown, maintenance, or emergency related emissions) as described in the permit renewal application. The emissions described in the permit renewal application are for the entire refinery. Emission rates given above are continuous service emissions. If start-up, shutdown, and maintenance emissions are added to continuous service emissions, the aggregate emission rates are: 12.0 lb/hr and 19.3 TPY for NO_x, 86.5 lb/hr and 139.5 TPY for CO, 255 lb/hr and 393.3 TPY for VOC, 1,402 lb/hr and 115.6 TPY for SO₂, and 14.2 lb/hr and 1.2 TPY for H₂S.
- (8) NO_x shall be calculated as nitrogen dioxide. VOC shall be calculated as propane. Filterable particulate shall not exceed 50 lb/hr, 162 TPY.

Date: February 26, 2013